



PTO/SB/08A (10-01)

Approved for use through 10/31/2002, OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for Form 1776-AVPTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 2

<i>Complete if Known</i>	
Application Number	09/767,041
Filing Date	January 22, 2001
First Named Inventor	Hilda E. Smith
Group Art Unit	1645
Examiner Name	P. Duffy
Attorney Docket Number	2183-4726US

U.S. PATENT DOCUMENTS

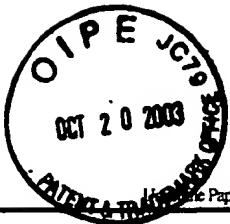
FOREIGN PATENT DOCUMENTS

Examiner Signature	RAD	Date Considered	5/2/06
-----------------------	-----	--------------------	--------

'EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



PTO/SB/08B(10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

of

2

Complete if Known

Application Number	09/767,041
Filing Date	January 22, 2001
First Named Inventor	Hilda E. Smith
Group Art Unit	1645
Examiner Name	P. Duffy
Attorney Docket Number	2183-4726US

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS		
Examiner Initials *	Cite No. ¹	
		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
PAO		DATABASE EMBL 'Online' McNab, S. gordonii partial aldB gene, cshA gene & fbpA gene, Database accession No. X65164, XP002213089.
		DE GREEFF et al., Contribution of Fibronectin-Binding Protein to Pathogenesis of <i>Streptococcus suis</i> Serotype 2, Infection and Immunity, Mar. 2002, pp. 1319-25, Vol. 70, No. 3.
		DE GREEFF et al., Distribution of Environmentally Regulated Genes of <i>Streptococcus suis</i> Serotype 2 among <i>S. suis</i> Serotypes and Other Organisms, Journal of Clinical Microbiology, Sept. 2002, pp. 3261-68, Vol. 40, No. 9.
		KAWABATA et al., Molecular cloning, sequence and characterization of a novel streptococcal phosphoglycerate dehydrogenase gene, Oral Microbiology and Immunology, 2000, pp. 58-62, Vol. 15.
		KOSKINIEMI et al., Identification of two genes, cpsX and cpsY, with putative regulatory function on capsule expression in group B streptococci, FEMS Immunology and Medical Microbiology, 1998, pp. 159-68, Vol. 21.
		McNAB, Cloning and sequence analysis of thymidine kinase from the oral bacterium <i>Streptococcus gordonii</i> , FEMS Microbiology Letters, 1996, pp. 103-110, Vol. 135.
		MUNOZ et al., Characterization of IS1515, a Functional Insertion Sequence in <i>Streptococcus pneumoniae</i> , Journal of Bacteriology, Mar. 1998, pp. 1381-88, Vol. 180, No. 6.
		SEGERS et al., Characterisation of the gene encoding suilysin from <i>Streptococcus suis</i> and expression in field strains, FEMS Microbiology Letters, 1998, pp. 255-61, Vol. 167.
		SMITH et al., Environmentally regulated genes of <i>Streptococcus suis</i> : identification by the use of iron-restricted conditions in vitro and by experimental infections of piglets, Microbiology, 2001, pp. 271-80, Vol. 147.
		SMITH et al., Mutants of <i>Streptococcus suis</i> Types 1 and 2 Impaired in Expression of Muramidase-Released Protein and Extracellular Protein Induce Disease in Newborn Germfree Pigs, Infection and Immunity, Oct. 1996, pp. 4409-12, Vol. 64, No. 10.

Examiner Signature	Patricia A. Duffy	Date Considered	5/2/04
--------------------	-------------------	-----------------	--------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



NOV 18 2005

PTO/SB/08B(10-03)

Approved for use through 7/31/2006. OMB 0651-0031

Approved for use through 07/31/2006. GMD 0051-0051
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

- Sheet

of

Complete if Known

Application Number	09/767,041
Filing Date	January 22, 2001
First Named Inventor	Hilda E. Smith
Group Art Unit	1645
Examiner Name	P. Duffy
Attorney Docket Number	2183-4726US

NON-PATENT LITERATURE DOCUMENTS

Examiner Signature	PATRICK A. DUFY	Date Considered	1/25/02
-----------------------	-----------------	--------------------	---------

'EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.